United States Department of Agriculture

NRCS Natural Resources Conservation Service

ALASKA SNOW SURVEY REPORT

APRIL 1, 2005

The Following Organizations Cooperate With the Natural Resources Conservation Service in Snow Survey Work:

Federal

- **Department of Agriculture**
  - Forest Service
    - Chugach National Forest
    - Tongass National Forest
- **Department of Commerce**
  - NOAA, National Weather Service
  - Climate Monitoring and Diagnostics Laboratory
- **Department of Defense**
  - U.S. Army Corps of Engineers
  - U.S. Army Cold Regions Research and Engineers Laboratory
- **Department of Interior**
  - Bureau of Land Management
  - Geological Survey
  - Fish and Wildlife Service
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Alaska State

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- **Department of Transportation and Public Facilities**
- **Department of Natural Resources**
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- **Alaska Energy Authority**
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  - Upper Susitna SWCD
  - Wasilla SWCD
- **University of Alaska**
  - Alaska Experiment Station
  - Geophysical Institute
  - Institute of Water Resources
  - Reindeer Research Program
  - Institute of Arctic Biology LTER

Municipalities

- Anchorage
- Juneau

Private

- Alaska Electric, Light and Power
- Alaskan Weather Records
- Alyeska Resort, Inc.
- Alyeska Pipeline Service Company
- Anchorage Municipal Light and Power
- Chugach Electric Association
- Copper Valley Electric Association
- Homer Electric Association
- Ketchikan Public Utilities

Alaska Public Schools

- Mantanuska-Susitna Borough School District

Canada

- **Ministry of the Environment**
  - British Columbia
- **Department of the Environment**
  - Government of the Yukon

United States Department of Agriculture

NRCS Natural Resources Conservation Service

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GENERAL OVERVIEW

Snowpack

There are nine new maximum of record snow water contents measured for April 1st with records extending from 18 to 40 years. There are another seven record maximum snow course snow water contents with a period of record that began in 1996, 10 years. These are in the Innoko Wildlife Refuge. The nine new records in their perspective regions are: Central Yukon – Seven Mile, Koyukuk - Lake Todatonten and Thirty Mile, Kuskokwim – McGrath, Lower Yukon – Tozikaket, Copper – Horsepasture Pass, Susitna – Dutch Hills, E. Fork Chulitna and Monahan Flat.
The Yukon Territories has 3 snow courses in the Yukon River basin with maximum of record snow water contents. These are Grizzly Creek near Dawson, Mayo Airport, and Plata Airstrip.

Precipitation

The Seward Peninsula received greater than normal precipitation for the month of March while the Southwest portion of the state was less than normal. The Central and Eastern part of the state and north of the Alaska Range received less than normal while South Central was varied with Talkeetna receiving more and Homer less than average. Valdez and the eastern side of the Gulf of Alaska also were above normal as well as Southeast Alaska.

Temperature

It appears the whole state as well as the Yukon Territories were above normal temperature for the month of March. Whitehorse, Y.T. was 10.6 deg F above normal and Eagle Village was 12.4 deg. F above normal, while Fairbanks was 9.1 deg F above normal.

STREAMFLOW

Streamflow forecasts of snowmelt runoff are as follows:

FORECAST POINT*	Percent of Ave. Flow	Period
Yukon River at Eagle	117	April - July
Yukon River near Stevens Village	116	April - July
Tanana River at Fairbanks	111	April - July
Tanana River at Nenana	111	April - July
Little Chena River near Fairbanks	113	April - July
Chena River near Two Rivers	113	April - July
Salcha near Salchaket	112	April - July
Sagvanirktok River near Pump Station 3	96	April - July
Kuparuk River near Deadhorse	96	April - July
Kuskokwim River at Crooked Creek	118	April - June
Gulkana River at Sourdough	112	April - July
Little Susitna River near Palmer	131	April - July
Talkeetna River near Talkeetna	129	April - July
Ship Creek near Anchorage	122	April - July
Kenai River at Cooper Landing	92	April - July
Gold Creek near Juneau	94	April - July

SNOWMELT RUNOFF INDEX (SRI)
For streams that no longer have stream gauging stations.

FORECAST POINT	INDEX
Koyukuk River at Hughes	+2.3
Beaver Creek above Victoria Creek	+1.2
Birch Creek below South Fork	+1.5
Caribou Creek at Chatanika	+0.4
Susitna River near Gold Creek	+2.9
Chulitna River near Talkeetna	+2.8
Deshka River at mouth near Willow	+2.4
Montana Creek at Parks Highway	+2.3
Willow Creek near Willow	+2.7
Skwentna River at Skwentna	+2.5
Chuitna River near Tyonek	+2.6
Campbell Creek near Spenard	+2.4
Indian Creek at Indian	-0.7
Bird Creek at Bird Creek	-0.8
Six Mile Creek near Hope	-0.6
Resurrection Creek near Hope	-0.8
Anchor River near Anchor Point	-1.4
Deep Creek near Ninilchik	-1.2
Ninilchik River near Ninilchik	-1.2
Fritz Creek near Homer	-1.8
Skagway River at Skagway	+2.1

Index	Key:
-2 to -3	much below average snowmelt runoff
-1 to -2	below average snowmelt runoff
-1 to +1	average snowmelt runoff
+1 to +2	above average snowmelt runoff
+2 to +3	much above average snowmelt runoff

* See regional summaries for the forecast period and the actual forecasted flow volumes.

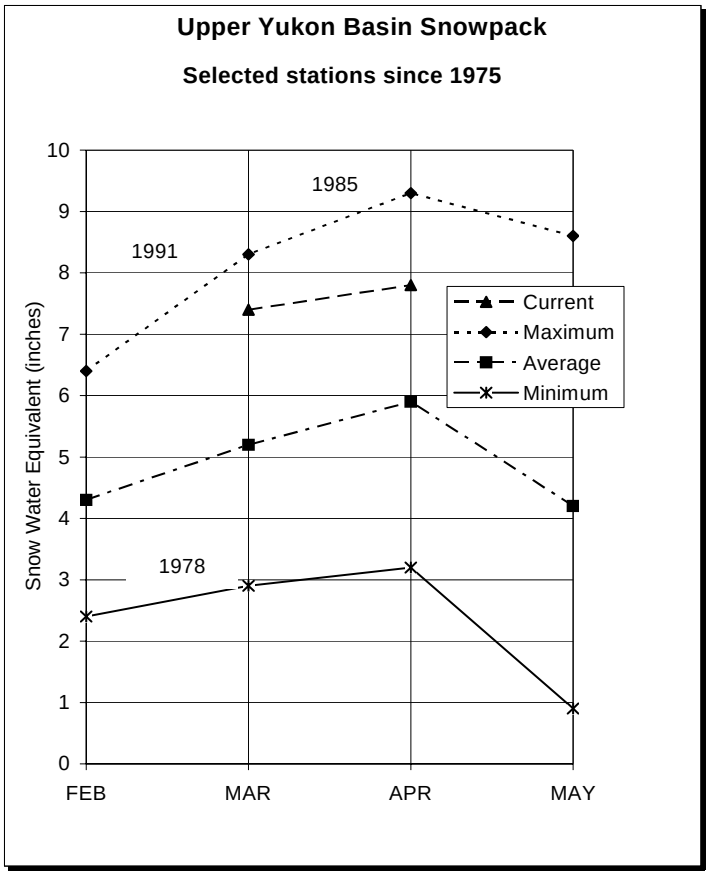
HOW FORECASTS ARE MADE

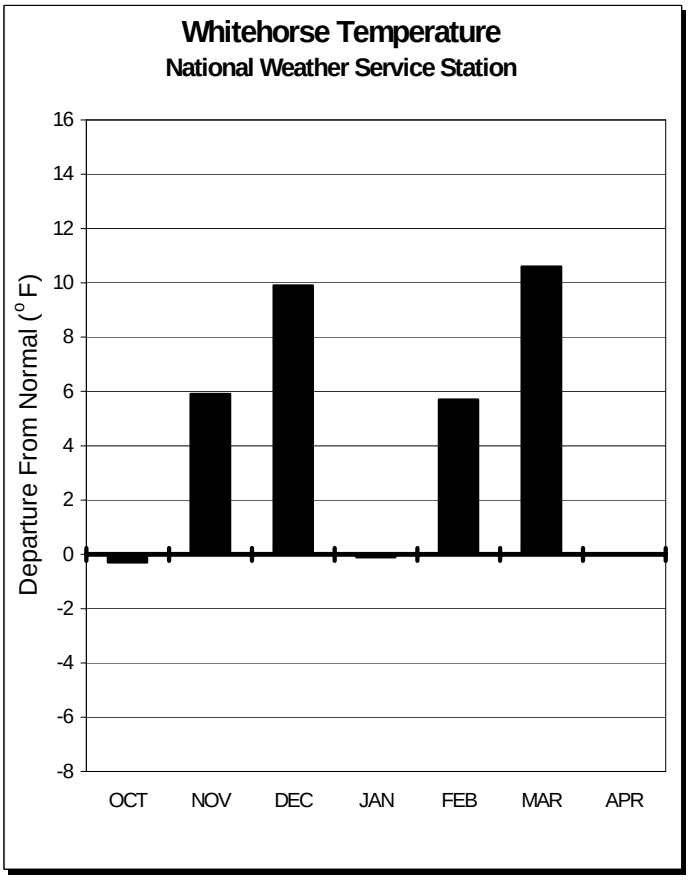
Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of the water content in the snow at selected manual snow courses and automated SNOTEL sites are used in the runoff estimates. In addition, precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences.

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: uncertain knowledge of future weather conditions, uncertainty in the forecasting procedure, and errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be above and a 50% chance that the actual flow will be below this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller flows (90% and 70% exceedance probability) and two larger flows (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

The wider the spread among these values, the more uncertainty there is in the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known. This accuracy is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making operational decisions by selecting forecasts corresponding to the level of risk they are willing to assume about the amount of water to be expected. If users anticipate receiving a lesser supply of water, or if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water, such as the threat of flooding, they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount. By using the exceedance probability information, users can determine the chances of receiving more or less water for their specific streamflow need.

UPPER YUKON BASIN*





Current Basin Conditions

There are three snow courses with record snow course water contents for April 1st. The snow courses with record snow water contents are Tagish, Mayo Airport, and Grizzly Creek. The Yukon Territory snow course water contents are above normal with the exception of five snow courses: Pelly Farm and Mount Nansen are 93 percent of normal, Beaver Creek is 97 percent of normal, Satasha Lake is 79 percent of normal and Williams Creek is 89 percent of normal. The Dawson region snow courses continue to be much above normal and are 149 percent. The region above Whitehorse/Teslin dropped 15 percent from last month to 130 percent of normal which is the same as the Stewart/Pelly region.
The Yukon River at Eagle volume flow forecast is 117 percent of normal for the April through July time period. The forecast remains unchanged from last month and is 40,000,000 acre-feet.

* For further information contact the Natural Resources Conservation Service in Anchorage.

Upper Yukon Basin

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Arrowhead Lake	3675	No Report			35	5.9	35	7.9
Atlin	2395	3/28/05	16	5.2	27	7.6	21	4.9
Beaver Creek	2150	3/29/05	17	3.2	18	2.9	17	3.3
Burns Lake	3650	4/04/05	42	9.0	41	9.7	37	8.4
Burwash Airstrip	2660	3/29/05	10	2.0	14	2.6	9	1.7
Calumet	4300	3/30/05	48	11.5	39	8.9	36	7.6
Casino Creek	3490	3/30/05	39	7.8	27	5.4	26	4.9
Chair Mountain	3500	3/29/05	24	5.3	22	4.0	19	3.7
Duke River	4300	4/01/05	27	5.4	29	6.1	23	4.1
Edwards Lake	2720	3/30/05	35	8.0	38	9.1	30	6.7
Finlayson Airstrip	3240	4/04/05	22	5.5	20	3.9	23	4.8
Fuller Lake	3690	3/30/05	40	9.9	39	9.3	34	7.9
Grizzly Creek	3200	4/01/05	48	11.2	36	7.2	32	6.9
Hoole River	3400	4/04/05	30	7.1	31	6.5	24	5.2
Jordan Lake	3050	4/04/05	28	6.8	27	6.0	24	5.2
King Solomon Dome	3540	3/31/05	40	8.9	35	7.2	29	6.0
Log Cabin (B.C.)	2900	3/31/05	53	17.8	59	19.0	49	14.6
Mayo Airport	1770	3/30/05	25	6.6	28	6.9	17	3.7
MacIntosh	3805	3/30/05	20	4.0	23	4.6	21	3.8
Meadow Creek	4050	3/29/05	47	13.7	47	10.9	42	10.4
Midnight Dome	2805	3/31/05	35	7.8	36	7.5	28	5.8
Montana Mountain	3350	3/31/05	27	6.6	22	5.0	25	5.5
Morley Lake	2700	3/29/05	28	8.3	20	5.0	25	5.9
Mount Nansen	3350	3/30/05	16	2.8	21	4.1	17	3.0
Mt. Berdoe	3400	3/30/05	21	4.0			22	4.2
Mt. McIntyre B	3600	3/29/05	32	8.3	26	5.3	28	5.9
Pelly Farm	1550	3/28/05	16	2.2	21	4.4	15	3.0
Plata Airstrip	2720	3/30/05	40	10.7	38	9.6	33	7.5
Rackla Lake	3410	3/30/05	41	10.0	37	7.8	37	8.2
Russell Lake	3480	3/30/05	46	11.8	40	9.8	37	8.9
Satasha Lake	3805	3/30/05	17	3.4	19	3.1	21	4.3
Tagish	3540	3/29/05	32	9.1	24	5.1	26	5.5
Twin Creeks	2950	3/30/05	33	8.3	37	7.9	32	7.3
White River	2700	No Report			--	--	16	3.0
Whitehorse Airport	2300	3/29/05	19	4.8	19	4.0	19	3.9
Williams Creek	3000	3/30/05	17	3.1	26	5.4	18	3.5
Withers Lake	3200	3/30/05	55	14.8	42	10.2	39	9.4

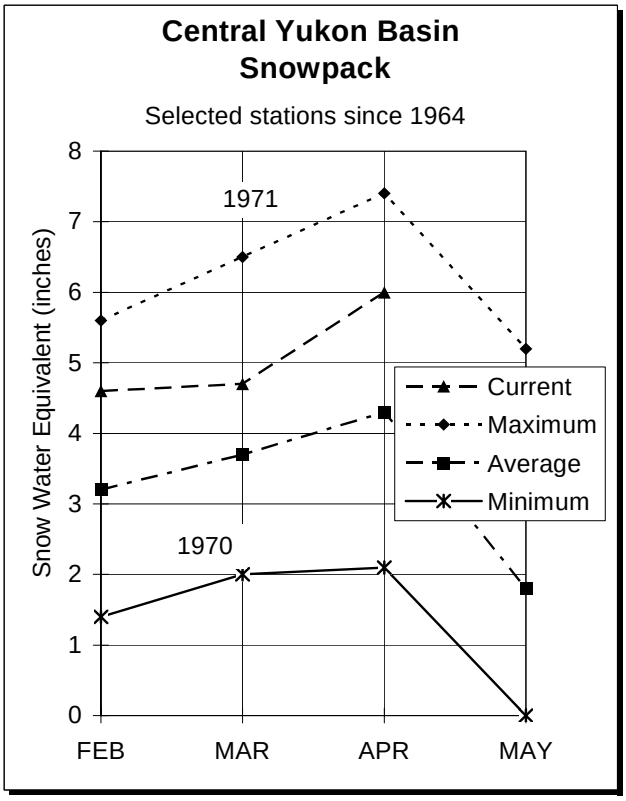
STREAMFLOW FORECASTS

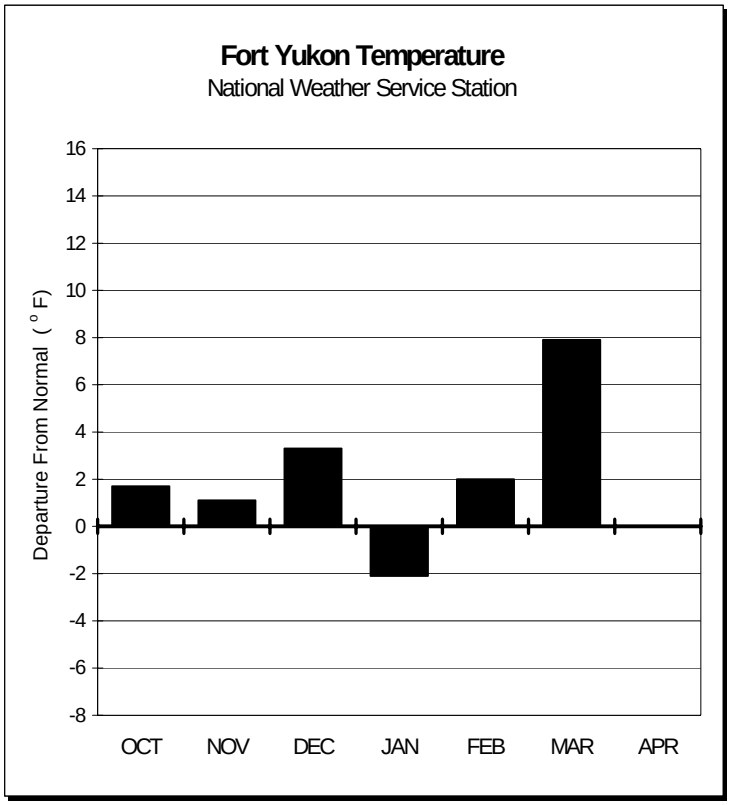
Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Yukon River At Eagle	Apr-Jul	34200	40000	117	44590	35410

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Above Whitehorse/ Tetlin	9	119	130
Dawson	3	127	149
Stewart/ Pelly	13	111	130
White River	6	93	116

CENTRAL YUKON BASIN*





Current Basin Conditions

The Forty Mile Basin snow courses range from 109 percent of normal at Chicken Airstrip to 140 percent of normal at Boundary with the average of the 5 snow courses in that region being 125 percent of normal.

The snow courses in the White Mountains northeast of Fairbanks are 151 percent of normal and are the second highest water contents on record. The year 1993 had more water content measured than this year.

The west side of the basin has record snow course water content at the Seven Mile snow course. It has 37 inches of snow depth with 9.1 inches of water content. The previous record was set in 1993 and was 7.8 inches of water content. Fort Yukon has an above normal snow course water content being 142 percent of normal. Circle City has 30 inches of snow depth with 6.0 inches of water content, 133 percent of normal.

The Yukon River volume flow forecast for the April through July time period at Stevens Village is 56,000,000 acre-ft., 116 percent of normal.

* For further information contact the Natural Resources Conservation Service in Fairbanks.

Central Yukon Basin

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)				(inches)			
Borealis	1330	3/31/05	32	7.9	25	4.8	28	5.2
Boundary	3300	4/01/05	26	7.4	23	5.5	25	5.3
Cathedral Creek	1800	No Report			--	--	--	--
Chicken Airstrip	1650	4/01/05	16	3.5	20	4.5	16	3.2
Circle City	600	4/04/05	30	6.0	25	3.7	26	4.5
Circle Hot Springs	860	4/04/05	24	4.4	22	3.2	26	4.5
Coal Creek	1000	No Report			--	---	--	--
Copper Creek	2000	No Report			--	--	--	---
Cresent Creek	2600	No Report			--	--	--	---
Eagle Plains	2330	4/01/05	34	6.6	35	6.7	32	7.0
Eagle River	1120	4/01/05	30	5.4	31	5.4	27	5.5
Fort Yukon	430	4/01/05	23	5.4	18	3.5	20	3.8
Fossil	1400	3/31/05	33	8.0	25	4.8	--	---
Graphite Lake	600	No Report					--	--
Hess Creek	1000	3/30/05	34	8.1	23	4.0	26	5.4
Lost Chicken Hill	2100	4/01/05	17	4.4	23	5.0	--	---
Lower Beaver Creek	400	No Report			--	--	--	--
Mission Creek	900	4/04/05	18	4.7	24	5.5	18	4.1
Mt. Fairplay	3100	4/01/05	22	5.6	21	5.1	20	4.3
Old Crow	980	4/05/05	30	5.5	26	6.1	25	4.6
Riff's Ridge	2130	4/01/05	33	5.5	33	6.3	29	5.7
Seven Mile	600	3/30/05	37	9.1	23	3.9	26	5.2
Stack Pup Creek	1620	4/04/05	25	4.4	24	3.4	25	4.4
Step Mountain	2850	No Report			--	--	--	---
Tacoma Bluff	1450	No Report			--	--	--	---
Thirty Mile	1350	3/30/05	42	11.4	32	5.8	37	8.1
Three Fingers	3350	No Report			--	--	--	---
Vuznik Lake	500	No Report			--	--	--	--
Windy Gap	1900	3/30/05	40	10.6	27	5.7	31	5.7
Wolf	1200	3/30/05	34	7.8	23	4.2	27	4.8

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Yukon River near Stevens Village	Apr-Jul	48200	48200	116	63250	48750

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1st

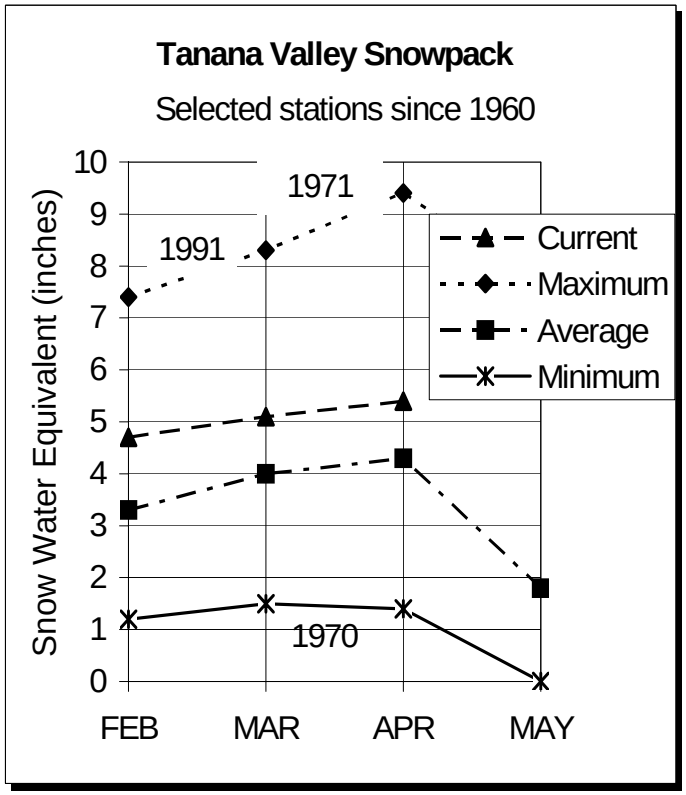
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Atigun Pass**	4800	3/31/05	7.0	5.1	6.0	117
Chandalar Shelf**	3300	3/31/05	5.8	5.1	5.3	109
Eagle Summit	3650	3/31/05	4.6	4.6	6.3	90
Fort Yukon	430	3/31/05	4.0	2.4	--	--
Mission Creek	900	No Report		5.3	5.2	--

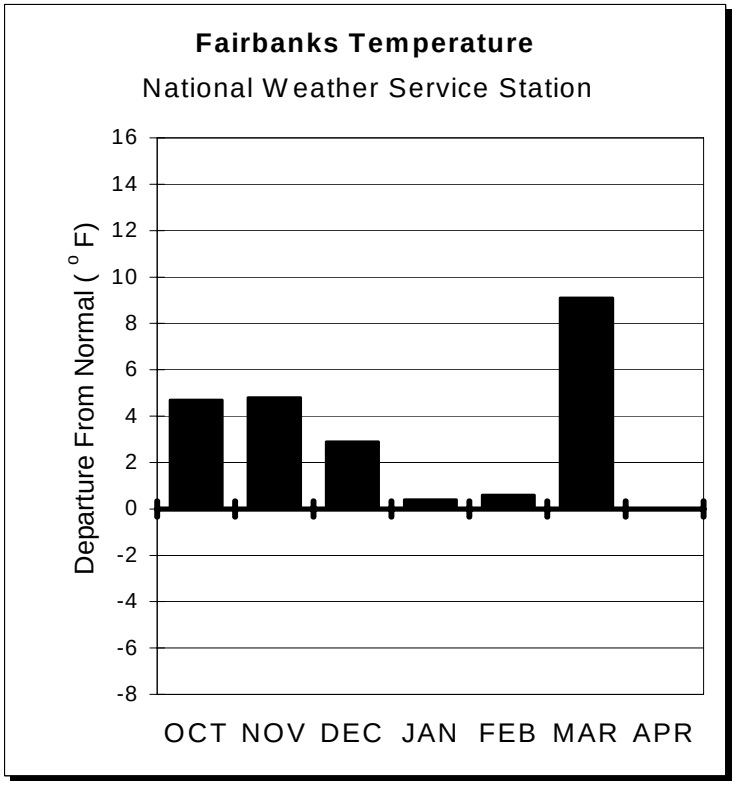
**Wyoming shielded gauge

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Forty Mile	5	100	125
Porcupine (Y.T.)	4	94	101
White Mountain	4	176	151
Yukon Flats	3	184	152

TANANA BASIN*





Current Basin Conditions

The Delta Junction area snow courses in the Tanana basin continue to have the most water content in the Tanana Basin averaging 137 percent of normal. Ptarmigan Airstrip, west of Fort Greeley is 176 percent of normal and Fielding Lake, south of Delta Junction has a water content that is 145 percent of normal.

On the edge of the Lower Tanana Valley, the Lake Minchumina snow course is 143 percent of normal.

The Snowmelt Runoff Index for Beaver Creek above Victoria Creek is plus 1.2, above average.

The Chena River near Two Rivers volume flow forecast for the April through July period remains at 113 percent of normal at 305,000 acre-feet.

* For further information contact the Natural Resources Conservation Service in Fairbanks or Delta Junction.

Tanana Basin

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Bonanza Creek	1150	No Report			23	5.1	23	5.0
Caribou Creek	1250	4/01/05	26	4.5	23	4.6	23	5.0
Caribou Mine	1150	4/06/05	29	5.9	31	5.5	27	5.6
Caribou Snow Pillow	900	4/01/05	26	4.7	23	4.4	23	4.8
Cleary Summit	2230	4/04/05	37	7.7	33	6.5	31	6.7
Colorado Creek	700	4/05/05	30	6.0	24	4.0	23	4.7
Edgar Creek	2400	4/04/05	45	10.3	27	5.2	--	---
Fairbanks FO	450	3/30/05	26	4.6	22	3.8	23	4.5
Faith Creek	1900	4/04/05	30	5.8	26	4.4	28	4.9
Fielding Lake	3000	3/28/05	58	17.4	48	11.0	46	12.0
Fort Greely	1500	3/29/05	24	5.0	24	4.3	17	3.6
French Creek	1800	3/30/05	32	7.6	30	5.6	27	6.4
Gerstle River	1200	3/29/05	19	3.9	24	3.5	18	3.4
Gold King	1700	4/04/05	27	6.0	21	3.8	--	---
Granite Creek	1240	3/31/05	22	5.0	22	4.7	18	3.8
Haystack Mountain	1950	4/01/05	36	8.5	30	5.9	31	6.0
Jatahmund Lake	2180	4/01/05	18	3.9	19	4.0	--	---
Kantishna	1550	3/29/05	33	7.4	30	5.8	--	---
Lake Minchumina	730	3/29/05	30	6.3	10	1.5	21	4.4
Little Chena Bottom	1460	4/06/05	28	5.5	25	4.4	21	4.3
Little Chena Ridge	2000	4/06/05	27	5.7	29	5.9	28	5.9
Lost Creek	3030	4/02/05	29	6.2	22	4.4	--	---
Mentasta Pass	2430	3/28/05	43	10.4	22	4.5	28	6.7
Monument Creek	1850	4/06/05	28	6.1	28	5.2	25	5.2
Mt. Ryan	2800	4/06/05	35	8.0	29	6.0	31	6.8
Munson Ridge	3100	4/06/05	42	10.3	35	7.2	38	9.1
Paradise Hill	2200	4/01/05	17	4.4	20	4.0	18	3.6
Ptarmigan Airstrip	2400	4/05/05	31	6.7	19	3.5	--	---
Ptarmigan Creek	2230	4/04/05	30	6.3	25	3.9	19	3.8
Rock Creek Bottom	2250	3/30/05	27	5.7	22	4.3	22	4.3
Rock Creek Ridge	2600	3/30/05	26	6.0	19	4.0	26	5.3
Shaw Creek Flats	980	3/30/05	17	3.1	20	3.2	16	3.4
Stampede	1800	3/29/05	20	3.6	22	4.3	--	---
Teuchet Creek	1640	4/06/05	26	5.5	24	3.9	23	4.4
Tok Junction	1650	3/28/05	20	4.5	21	3.1	19	3.6
Upper Chena	3000	4/06/05	41	10.4	32	6.7	33	7.8
Upper Chena Pillow	2850	4/06/05	42	10.2	36	5.0	32	7.5
Upper Wood River	2990	4/04/05	38	8.7	25	4.8	--	---

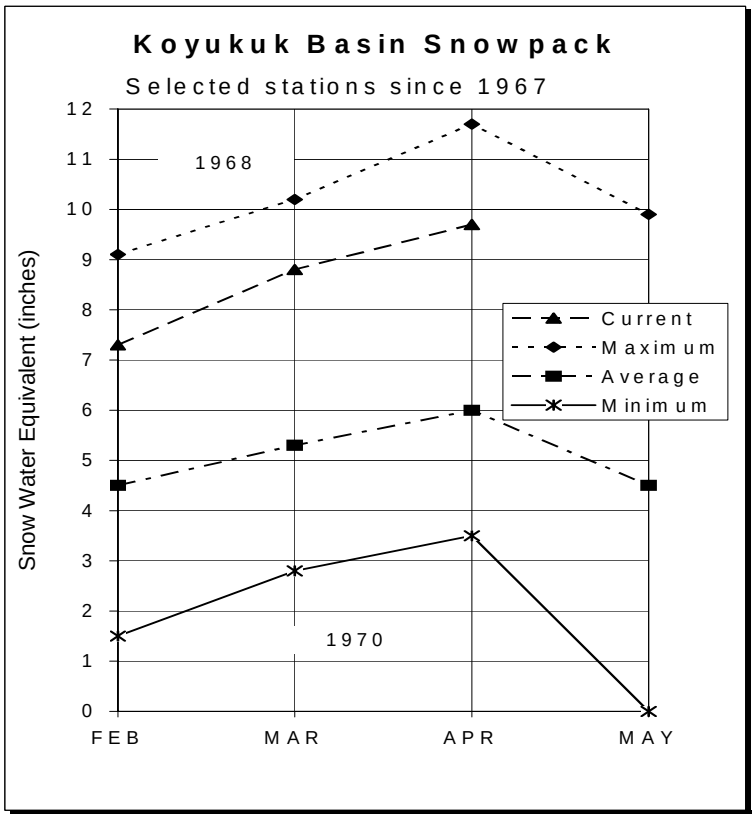
STREAMFLOW FORECASTS

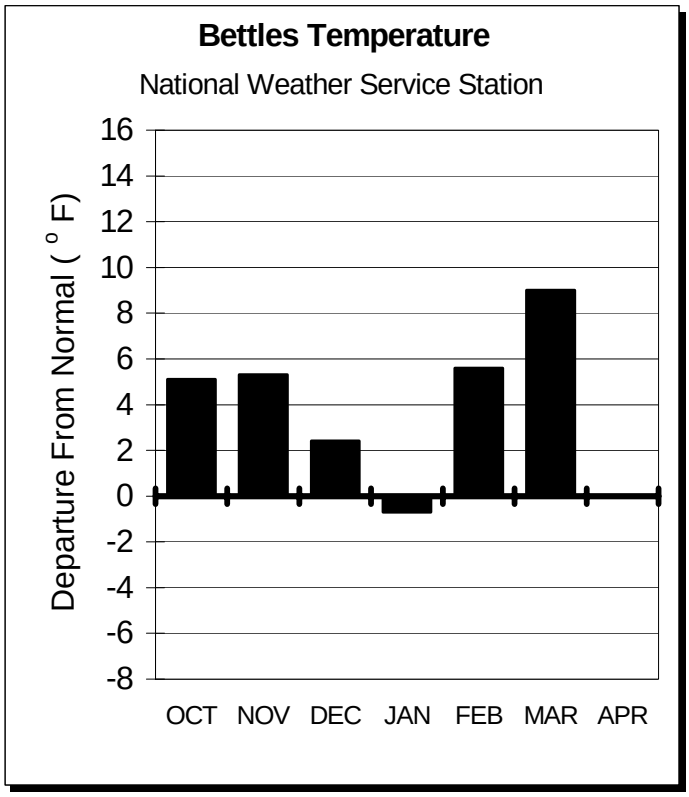
Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Tanana River at Fairbanks	Apr-Jul	7100	7900	111	8790	7010
Little Chena R. near Fairbanks	Apr-Jul	78.0	88.0	113	113	63.0
Chena River near Two Rivers	Apr-Jul	270	305	113	415	195
Salcha River near Salchaket	Apr-Jul	625	700	112	920	485
Tanana River at Nenana	Apr-Jul	9000	9500	106	10860	8140

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Chatanika	5	121	114
Chena Basin	8	127	116
Lower Tanana Valley	8	167	123
Mid Tanana Valley (Delta Junction)	5	136	137
Upper Tanana Valley (Tok)	5	121	124

WESTERN INTERIOR BASINS*





Current Basin Conditions

Koyukuk

This regions snow courses are 167 percent of normal with two new maximum of record snow water contents. The Lake Todatonten snow course water content is 205 percent of normal with 44 inches of snow depth and 11.3 inches of water content which is a maximum of record, with the record beginning in 1968. The Thirty Mile snow course new maximum of record is 12.6 inches of water content with the record beginning in 1971. The records broken occurred in 1993. The snow water content percent above normal tapers off as you go north to the Brooks Range. Coldfoot snow course is 152 percent of normal and Table Mountain near the bottom of Atigun Pass is 145 percent of normal.

Kuskokwim

In the Upper Kuskokwim, the McGrath snow course has a record maximum snow water content for April 1st with 12.7 inches and is 187 percent of normal. The record began in 1980 and the previous record was set in 1985. The Purkeypile Mine snow course is 150 percent of normal with the second highest record of snow water content.

Lower Yukon

Eight of the eleven snow courses in the Lower Yukon have record snow water contents. Tozikaket is 176 percent of normal and has a record that extends back to 1982, the previous record was 1991. The other record snow course water contents occur in the Innoko Wildlife Refuge which have a record that extends back to 1996.

* For further information contact the Natural Resources Conservation Service in Anchorage.

Western Interior Basins

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Koyukuk								
Bettles Field	640	4/02/05	42	10.3	31	6.5	32	6.9
Bonanza Forks	1200	3/30/05	41	10.4	28	5.5	27	5.6
Cloverleaf	170	4/01/05	39	9.5	--	--	--	--
Coldfoot	1040	3/30/05	43	10.5	28	5.7	31	6.9
Disaster Creek	1550	3/31/05	28	5.5	19	3.0	23	4.4
JR Slough	160	4/01/05	39	9.6	--	--	--	--
Kaldoyeit	750	3/31/05	22	5.5	22	4.6	--	--
Kanuti-Chelatna	670	3/31/05	36	9.2	24	5.6	--	--
Kanuti-Kilolitna	550	3/31/05	36	9.2	23	5.4	--	---
Lake Todatonen	550	4/05/05	44	11.3	28	5.0	28	5.5
Minnkokut	580	3/31/05	41	11.6	35	7.3	--	--
Ninemile Island	140	4/01/05	45	11.2	--	--	--	--
Nolitna	560	3/31/05	36	9.5	25	5.7	--	--
Pike Trap Lake	130	4/01/05	19	5.5	--	--	--	--
Squirrel Creek	150	4/01/05	48	12.0	--	--	--	--
Table Mountain	2200	3/30/05	44	11.3	18	2.9	24	4.9
Taiholman	540	3/31/05	2	0.5	3	1.0	--	--
Kuskokwim								
Lake Minchumina	730	3/29/05	30	6.3	10	1.5	21	4.4
McGrath	340	4/01/05	41	12.7	23	4.8	30	6.5
Purkeypile Mine	2025	3/29/05	32	7.5	31	5.6	21	4.1
Telaquana Lake	1550	No Report			17	4.4	20	4.5
Lower Yukon								
Grouch Creek	220	3/31/05	45	13.7	30	6.4	--	---
Holikachuk	100	3/31/05	43	12.5	36	8.0	--	---
Horsefly Creek	180	3/31/05	33	10.2	31	6.5	--	---
Innoko Cabin	200	3/31/05	30	7.3	24	4.4		
Menotl Creek	380	3/31/05	44	13.7	39	9.0	--	---
Middle Innoko	150	3/31/05	39	12.0	33	7.3	--	---
Tozikaket	600	3/23/05	35	8.8	22	3.8	24	5.0
Upper Innoko	180	3/31/05	46	14.0	33	7.0	--	---
Wapoo Hills	220	3/31/05	46	14.5	37	8.2	--	---
Yankee Slough	100	3/31/05	42	12.5	47	10.5	--	---
Yetna River	120	3/31/05	33	10.0	31	6.8	--	--

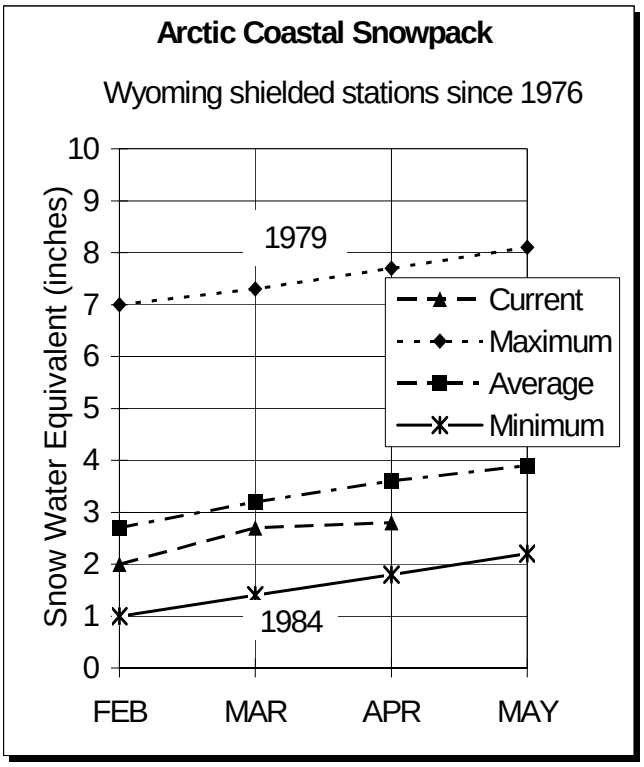
STREAMFLOW FORECASTS

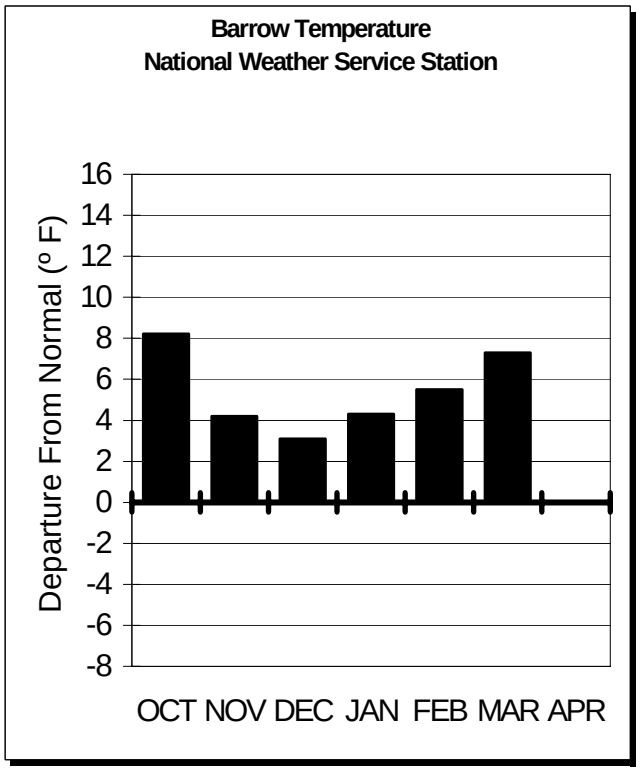
Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Kuskokwim River at Crooked Creek	Apr-Jul	10500	12400	118	16070	9350

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Koyukuk	11	186	167
Upper Kuskokwim	3	223	164
Lower Yukon	11	166	191

ARCTIC AND KOTZEBUE SOUND*





Current Basin Conditions

Arctic

The Atigun Pass Wyoming shielded precipitation gauge has received 7.0 inches of precipitation since October 1st and is 117 percent of normal. To the north the Atigun Camp Wyoming shielded precipitation gauge has caught 2.1 inches since October 1st and is 42 percent of normal.
The Barrow Wyoming shielded precipitation gauge has caught 1.9 inches of precipitation since October 1st, and is 63 percent of normal. This appears to be the percent of normal for the rest of the precipitation gauges north of the Brooks Range with the exception of the Prudhoe Bay gauge which was near normal last month.

Kotzebue

No Report from the Red Dog Mine precipitation gauges.

* For further information contact the Natural Resources Conservation Service in Anchorage.

Arctic and Kotzebue Sound

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Kugarak	225	No Report			--	--	--	---

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Arctic						
Atigun Camp	3400	3/31/05	2.1	2.7	5.0	42
Atigun Pass	4800	3/31/05	7.0	5.1	6.0	117
Barrow	25	3/31/05	1.9	3.2	3.0	63
Imnaviat Creek	3050	3/31/05	2.4	1.9	3.9	62
Prudhoe Bay	30	No Report		3.1	3.8	--
Kotzebue Sound						
Kivalina	50	No Report		3.8	--	--
Red Dog**	950	No Report		4.3	--	--

** Wyoming Shielded Gauge

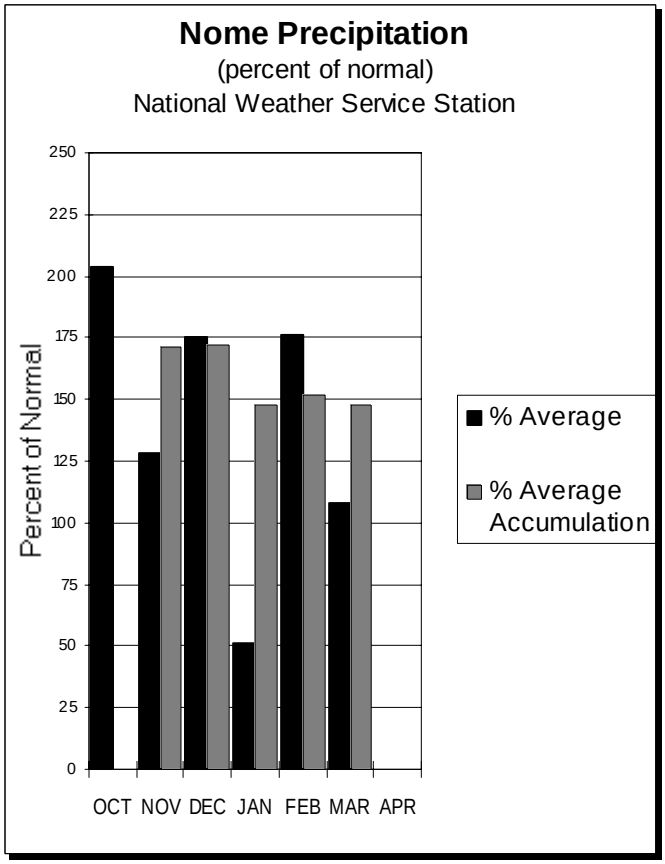
STREAMFLOW FORECASTS

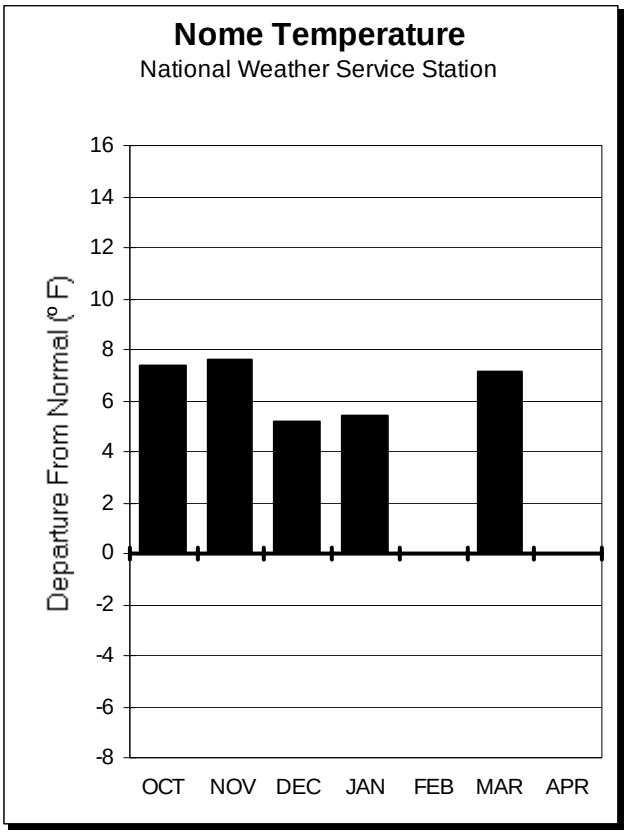
Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Sagvanirktok River near Pump Station 3	May- Jul	685	655	96	785	525
Kuparuk River near Deadhorse	April - Jul	795	760	96	1010	510

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Arctic Coast	1	59	63
Dalton Highway	3	119	78

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*





Nome February departure from normal is 0º F.

Current Basin Conditions

Norton Sound

The snow depth at Johnson's Camp was 29 inches the 1st of April. This is greater than normal and most of the area surrounding Norton Sound is above normal with few areas having been blown free of snow by the wind.
The east central portion of the Peninsula, specifically a site called Pargon Creek in the Fish River Flats had a snow depth of 25 inches at the 1st of April and has caught 7.8 inches of precipitation since October 1st. This is a greater than normal snow depth for this area.

Southwest Delta/Bristol Bay

Little snow remains on the ground at King Salmon with 8 inches reported at the end of March according to the National Weather Service observer. Also, Bethel received less than normal precipitation and had 1 inch of snow on the ground the 31st of March.

* For further information contact the Natural Resources Conservation Service in Anchorage.

NORTON SOUND/SOUTHWEST DELTA/BRISTOL BAY*

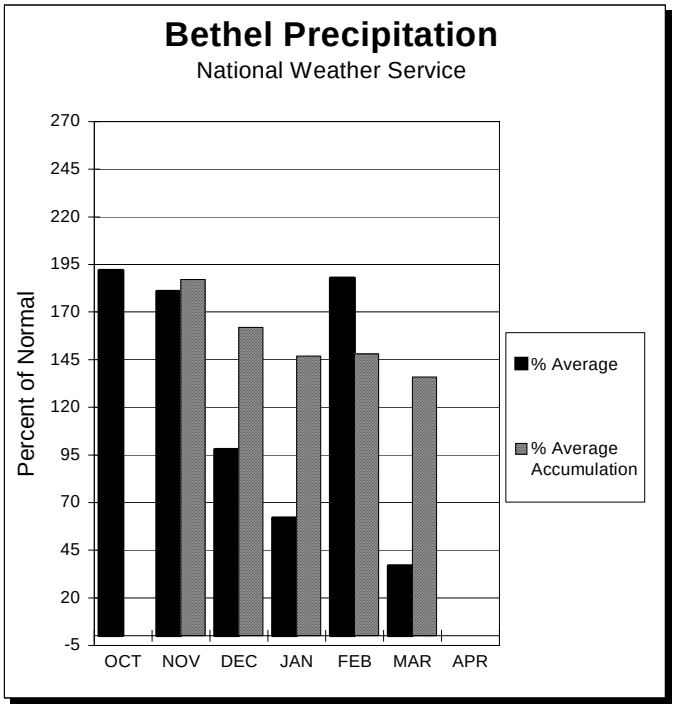
SNOWPACK DATA

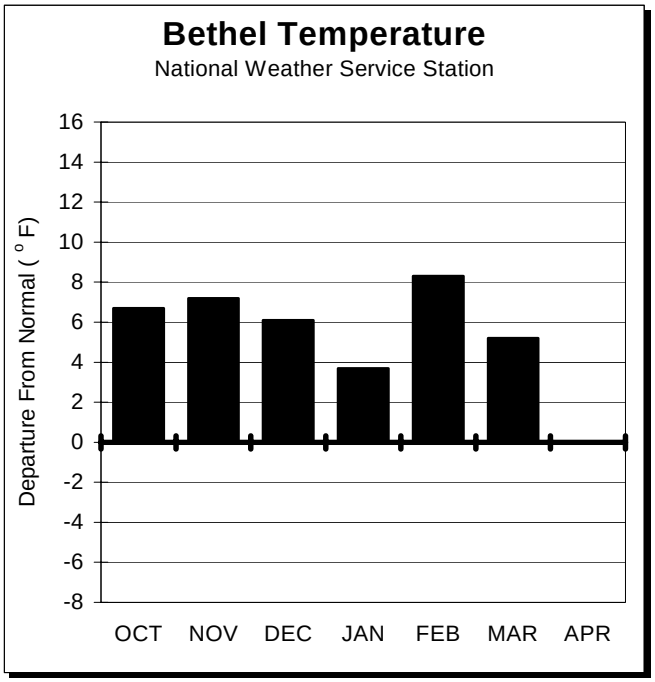
Snow Course	Elev. (feet)	Date	THIS YEAR Snow Depth	THIS YEAR Water Content	LAST YEAR Sow Depth	LAST YEAR Water Content	1971-2000 AVERAGE Snow Depth	1971-2000 AVERAGE Water Content
					(inches)			
Bristol Bay								
Brooks Camp	150	No Report			--	--	--	--
Fishtrap Lake	1800	No Report			35	8.6	--	--
Port Alsworth	270	No Report			19	5.1	12	4.1
Three Forks	900	No Report			--	--	--	--
Upper Twin Lakes	2000	No Report			25	5.8	27	7.2

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

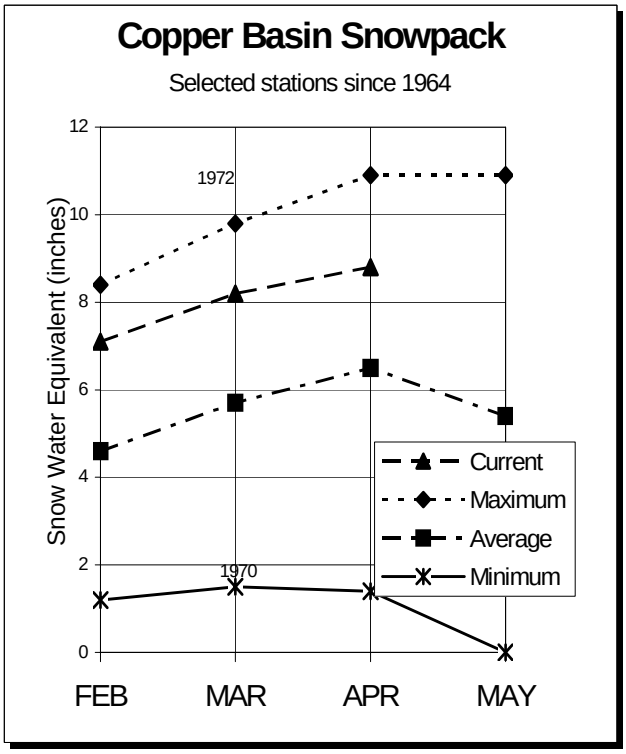
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Pargon Creek	100	3/31/05	7.8	5.9	--	--
Rocky Point	500	3/31/05	4.2	5.6	--	--

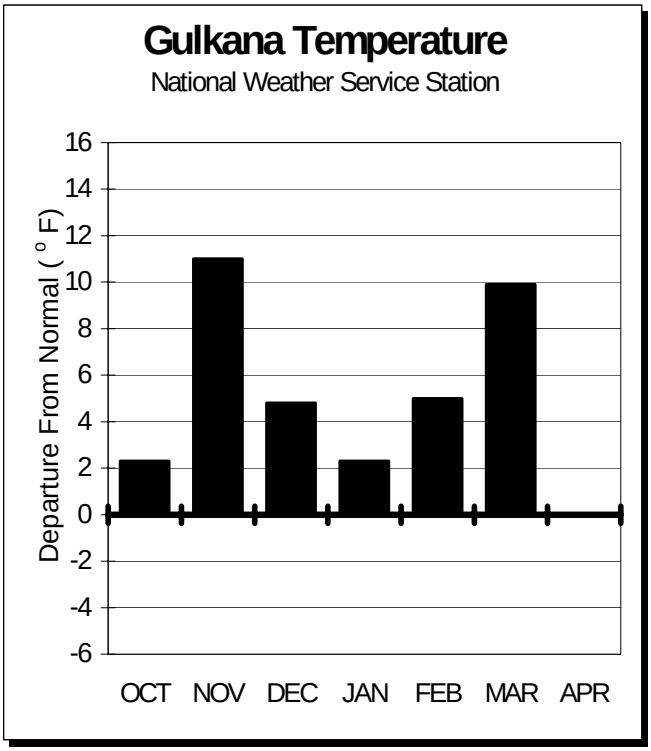




* For further information contact the Natural Resources Conservation Service in Anchorage.

COPPER BASIN*





Current Basin Conditions

The Horsepasture Pass has set a new record maximum snow water content for the 1st of April with 48 inches of snow depth and 11.8 inches of water content. The previous record was set in 2000 with 43 inches of snow depth and 11.0 inches of water content.
The 4 snow courses near the Alaska Range average 136 percent of normal.
The Upper Tsaina River SNOTEL site has 69 inches of snow depth with 21.4 inches of snow water content, this is its second year of operation.
The Gulkana River volume flow forecast for the April-July period is 113 percent of normal at 535,000 acre-feet.

* For more information contact the Natural Resources Conservation Service in Copper River, Delta Junction or Anchorage.

Copper Basin

SNOWPACK DATA

Snow Course	Elev. (feet)	Date	THIS YEAR Snow Depth	THIS YEAR Water Content	LAST YEAR Sow Depth	LAST YEAR Water Content	1971-2000 AVERAGE Snow Depth	1971-2000 AVERAGE Water Content
			(inches)					
Chisana	3320	3/29/05	28	5.6	23	5.0	22	3.6
Chistochina	1950	3/28/05	24	5.6	20	3.1	22	4.1
Chokosna	1550	3/29/05	12	3.8	26	5.4	22	3.9
Dadina Lake	2160	3/31/05	29	6.8	28	5.5	27	5.9
Haggard Creek	2540	3/28/05	28	6.1	28	4.6	29	6.3
Horsepasture Pass	4300	3/30/05	48	11.8	31	7.0	29	6.4
Kenny Lake School	1300	3/31/05	15	3.8	22	4.5	17	3.7
Lake Louise	2400	3/31/05	28	6.0	24	4.8	23	4.6
Little Nelchina	2650	3/31/05	29	5.2	26	5.2	--	--
Long Glacier	4820	3/29/05	75	25.5	--	--	--	--
Lost Creek	3030	4/02/05	29	6.2	22	4.4	--	--
May Creek	1610	3/29/05	20	5.5	34	9.0	21	4.5
Mentasta Pass	2430	3/28/05	43	10.4	22	4.5	28	6.7
Monsoon Lake	3100	3/31/05	31	8.6	26	5.1	28	6.4
Paxson	2650	3/28/05	37	8.2	35	6.8	32	7.8
Sanford River	2280	3/31/05	22	6.0	29	6.5	28	6.2
St. Anne Lake	1990	3/30/05	31	6.5	24	4.9	25	5.5
Tazlina	1225	3/31/05	17	4.0	22	4.8	--	--
Tebay Lake	1930	3/31/05	59	18.9	--	--	--	--
Tolsona Creek	2000	3/31/05	24	5.3	23	4.2	22	4.1
Tsaina River	1650	4/01/05	58	17.4	53	14.2	57	17.6
Twin Lakes	2400	3/30/05	33	6.7	28	6.2	28	6.4
Upper Tsaina River	1750	3/31/05	69	21.4	70	22.0	--	--
Worthington Glacier	2100	4/01/05	88	30.4	76	23.9	72	24.9

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Upper Tsaina River	1750	3/31/05	28.9	25.0	---	--

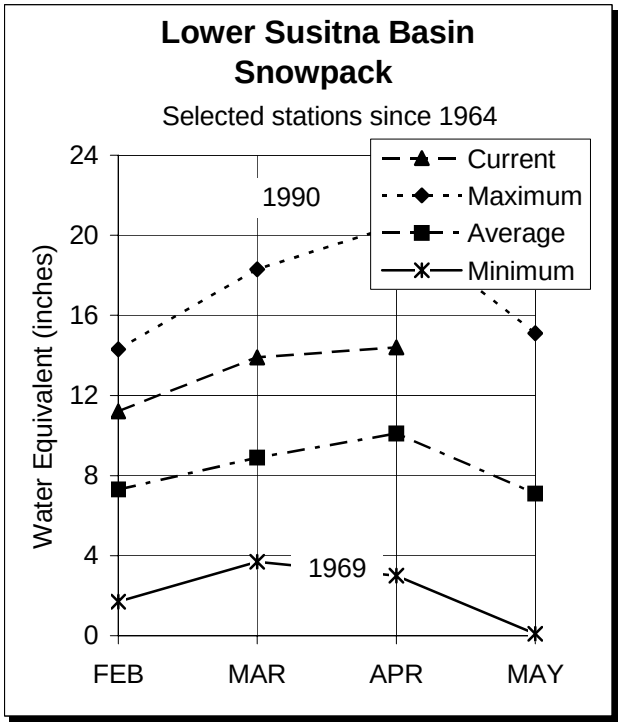
STREAMFLOW FORECASTS

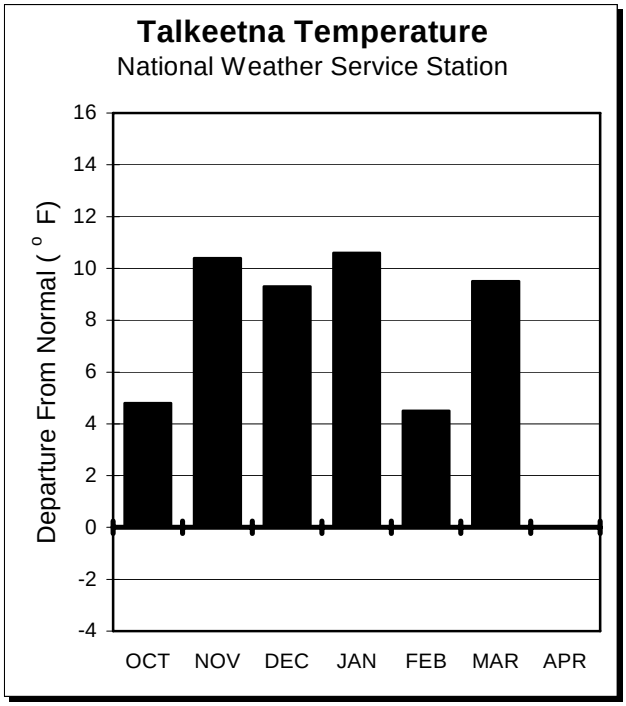
Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Gulkana River at Sourdough	Apr-Jul	475	535	113	640	430

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Alaska Range	4	163	136
Basin Floor	6	126	117
Chugach Range	3	109	109
Talkeetna Mountains	3	160	157
Wrangell Mountains	6	95	122

MATANUSKA - SUSITNA BASINS*





Current Basin Conditions

The Independence Mine snow course is 149 percent of normal with 95 inches of snow depth and 36.0 inches of water content. The Little Susitna Basin snow courses are 151 percent of normal.

In the Peters Hills and to the east, the following snow courses have record snow water contents for April 1st: Dutch Hills, E. Fork Chulitna, and Monahan Flat.

The Susitna River near Gold Creek Snowmelt Runoff Index is a plus 2.9 which is much above average. The Chulitna River near Talkeetna Snowmelt Runoff Index is a plus 2.8 which is much above average.

The Talkeetna River basin has a near record amount of snow and the forecasted flow for the April through July period is 129 percent of normal, 2,100,000 acre-feet.

* For more information contact the Natural Resources Conservation Service in Wasilla.

Matanuska - Susitna Basins

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Alexander Lake	160	3/29/05	54	17.5	40	11.3	44	12.0
Archangel Road	2200	3/29/05	73	21.5	45	11.5	50.0	16.3
Bentalit Lodge	150	3/30/05	78	26.4	31	8.1	--	--
Blueberry Hill	1200	4/01/05	58	18.5	45	12.3	58	16.0
Chelatna Lake	1450	4/01/05	58	18.5	--	--	44	11.6
Clearwater Lake	2650	3/31/05	32	7.2	28	5.3	27	5.7
Curtis Lake	2850	3/30/05	27	5.8	27	5.2	--	---
Denali View	700	3/28/05	66	21.8	35	9.4	50	13.4
Dunkle Hills	2700	4/01/05	67	22.5	20	5.5	--	--
Dutch Hills	3100	4/01/05	106	40.5	66	19.8	80	27.5
E. Fork Chulitna	1800	3/28/05	73	24.5	42	10.4	54	14.0
Eldridge Glacier	3400	4/01/05	32	12.0	8	2.5	--	---
Fishhook Basin	3300	4/01/05	97	38.1	54	15.5	64	20.5
Fog Lakes	2120	3/31/05	44	11.0	30	6.2	28	6.2
Halfway Slough	350	3/28/05	35	10.2	26	6.4	--	---
Independence Mine	3550	4/01/05	95	36.0	60	18.6	70	24.2
Lake Louise	2400	3/31/05	28	6.0	24	4.8	23	4.6
Little Susitna	1700	3/29/05	64	17.5	40	10.1	43	13.3
Moose Creek Ranch	450	3/29/05	27	8.0	22	5.4	--	---
Monahan Flat	2710	3/31/05	57	14.8	33	7.3	35	8.1
Nugget Bench	2010	4/01/05	59	19.5	46	13.5	55	15.5
Ramsdyke Creek	2220	4/01/05	95	35.0	60	18.0	69	22.0
Sheep Mountain	2900	3/31/05	33	8.0	27	5.4	26	6.0
Skwentna	160	3/29/05	53	18.3	40	10.9	42	11.6
Square Lake	2950	3/30/05	28	6.3	21	3.9	22	4.2
Susitna Valley High	375	3/31/05	46	12.3	30	7.1	39	9.5
Talkeetna	350	3/31/05	44	12.9	25	5.6	34	8.7
Tokositna Valley	850	4/01/05	85	29.0	57	16.7	62	18.7
Tyone River	2500	3/31/05	24	5.5	27	5.5	24	5.2
Upper Oshetna	3150	3/30/05	32	7.0	19	3.8	--	---
Upper Sanona	3100	3/30/05	32	7.2	27	5.6	--	---
West Fork Yentna	950	No Report			--	--	--	--
Willow Airstrip	200	3/31/05	32	8.9	32	7.9	31	8.1
Ward Lake	2700	3/30/05	31	6.6	33	6.3	--	---

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Little Susitna River near Palmer	Apr-Jul	86	131	113	137	89.0
Talkeetna River near Talkeetna	Apr-Jul	1630	2100	129	2350	1850

PRECIPITATION DATA

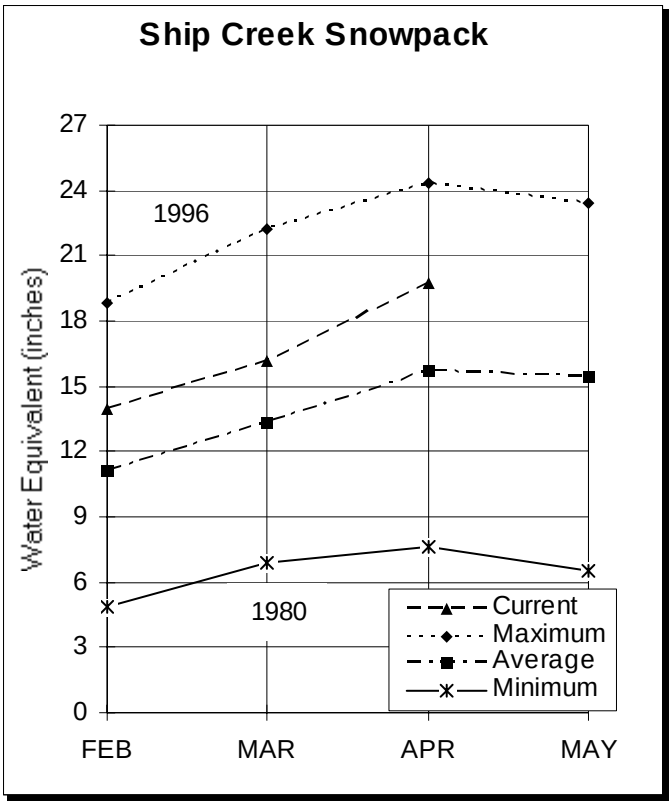
INCHES ACCUMULATED SINCE OCTOBER 1ST

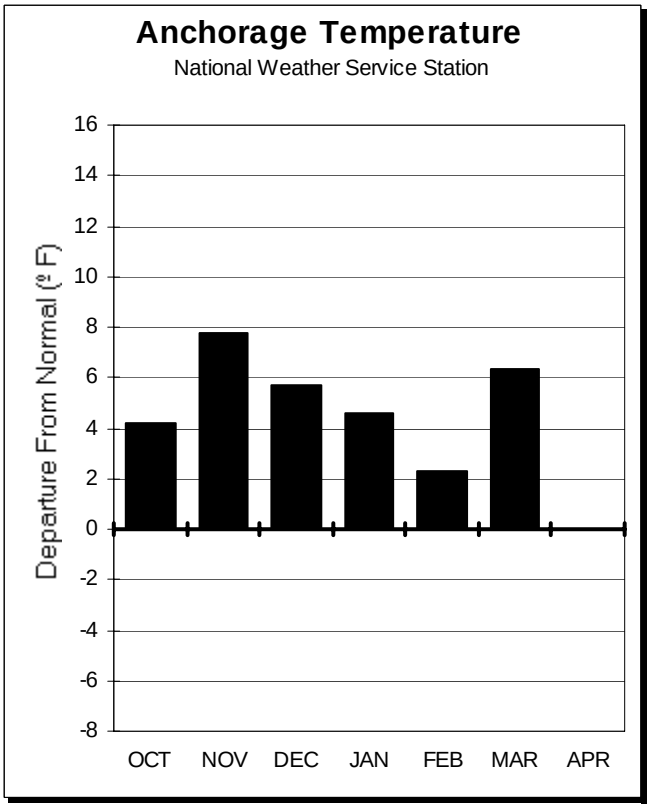
Precipitation Gauge	Elevation (ft.)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Independence Mine	3550	No Report		17.0	--	
Susitna Valley High	375	3/31/05	20.0	9.3	11.7	171

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Lower Susitna	4	155	146
Matanuska/Little Susitna	5	198	151
Peters Hills	4	182	148
Upper Susitna	5	159	161

NORTHERN COOK INLET*





Current Basin Conditions

The Anchorage Hillside snow course is 136 percent of normal and Indian Pass is 122 percent of normal water content.
The Campbell Creek near Spenard Snowmelt Runoff Index is a plus 2.4 which is much above average.
The Ship Creek forecasted flow for the April through July period is 122 percent of normal, 71,000 acre-feet.
Across Cook Inlet near Tyonek at 500 feet elevation, Congahbuna Lake has a near record snow water content of 17.5 inches, 162 percent of normal. The record is 17.7 inches of snow water content set in 1990.

* For more information contact the Natural Resources Conservation Service in Wasilla or Anchorage.

Northern Cook Inlet

SNOW PACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Anchorage Hillside	2080	3/28/05	54	14.1	49	12.4	38	10.4
Arctic Ski Bowl	3000	4/01/05	56	21.0	45	13.9	43	14.0
Arctic Valley #1	500	4/01/05	6	2.0	26	6.5	14	3.6
Arctic Valley #2	1000	4/01/05	15	4.7	30	7.9	20	5.1
Arctic Valley #3	1450	4/01/05	37	10.1	37	9.5	28	7.3
Arctic Valley #4	2030	4/01/05	41	10.6	35	9.3	29	7.7
Chuitna Plateau	1540	3/29/05	108	41.5	64	20.5	86	26.9
Congahbuna Lake	500	3/29/05	55	17.5	38	10.6	38	10.8
Granite Point	250	No Survey			19	4.8	15	5.6
Indian Pass	2350	3/31/05	85	28.8	70	21.0	71	23.7
Kincaid Park	250	4/01/05	7	2.6	30	7.4	16	4.2
Lone Ridge	1675	No Survey			72	23.0	86	33.1
Moraine	2100	3/31/05	36	9.2	39	8.2	--	--
Mt. Alyeska	1540	3/30/05	90	28.2	106	36.0	107	36.9
Point Mackenzie	200	3/29/05	21	5.2	29	6.1	20	5.4
Portage Valley	50	3/30/05	16	3.4	69	23.3	39	15.0
South Campbell Creek	1200	3/28/05	28	6.1	40	9.0	28	7.4

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Ship Creek near Anchorage	Apr-Jul	58.0	71.0	122	84.0	60.0

PRECIPITATION DATA

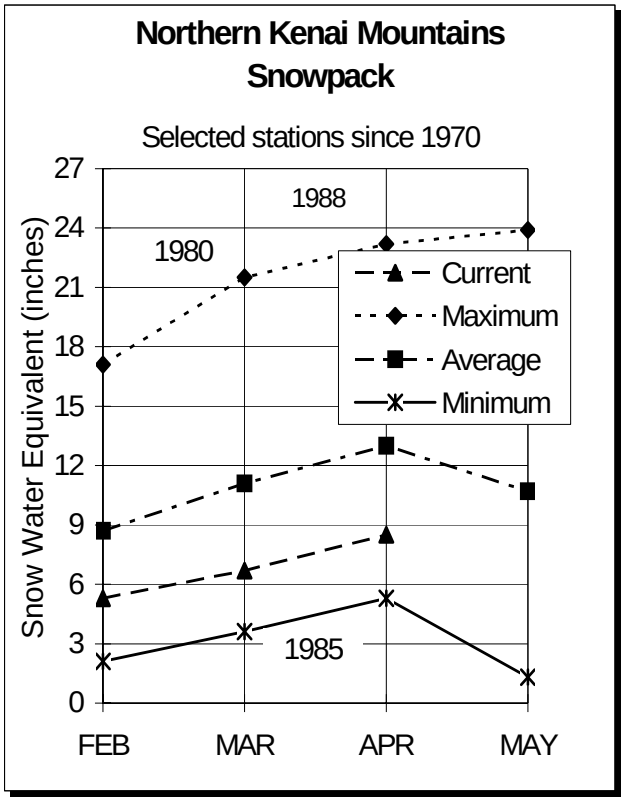
INCHES ACCUMULATED SINCE OCTOBER 1ST

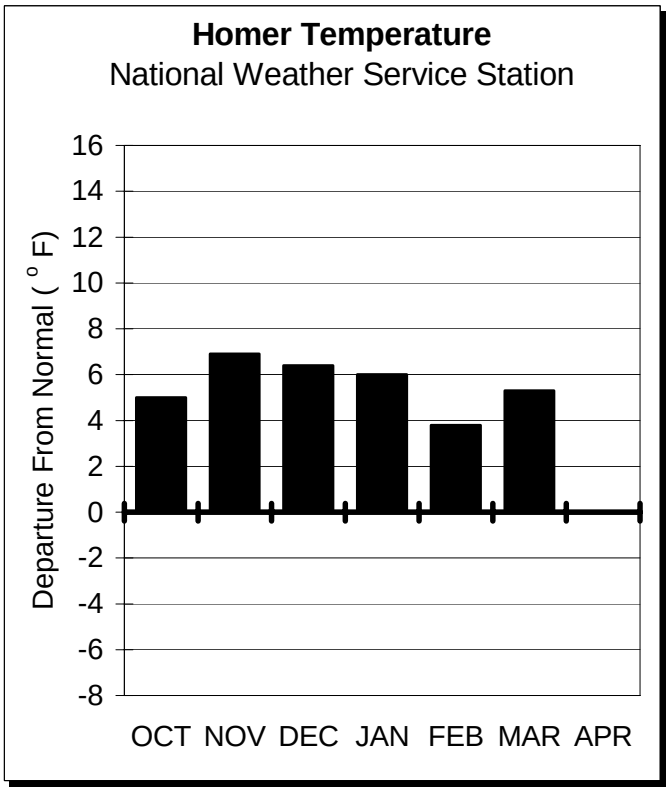
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Indian Pass	2350	3/31/05	31.3	23.9	23.9	131
Moraine	2100	3/31/05	11.4	11.2	--	--
Mt. Alyeska	1540	3/30/05	42.1	45.2	43.1	98
Point Mackenzie	200	3/31/05	12.0	9.6	8.1	148

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Beluga	2	190	156
Campbell Creek	2	94	113
1Ship Creek	3	125	128
Turnagain Arm	2	84	76

KENAI PENINSULA*





Current Basin Conditions

The Northern Kenai Mountain snow water contents vary from above to much below normal with Moose Pass being 8 percent of normal with 4 inches of snow and 0.4 inches of snow water content. Cooper Lake snow course has 47 inches of snow and 13.6 inches of snow water content, 91 percent of normal, while Summit Creek is 109 percent of normal with 12.7 inches of water content.

The region near Homer shows Demonstration Forest snow course with 8 inches of snow and 1.8 inches of snow water content, 19 percent of normal. On the rim, above Homer, the Bridge Creek snow course is 84 percent of normal water content and out East End Road at Eagle Lake the snow course is near normal snow water content, 95 percent of normal.

The Nuka Glacier snow course is 81 percent of normal with 84 inches of snow depth and 32.0 inches of snow water content.

The Ninilchik and Deep Creek Snowmelt Runoff Indexes are a minus 1.2, which is below average.

* For more information contact the Natural Resources Conservation Service in Homer.

Kenai Peninsula

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Anchor River Divide	1600	3/31/05	48	12.4	44	12.8	40	11.7
Bertha Creek	950	3/31/05	46	12.0	55	16.1	57	17.6
Bridge Creek	1300	4/03/05	38	10.8	41	10.7	44	12.9
Cooper Lake	1200	4/01/05	47	13.6	57	17.6	50	15.0
Demonstration Forest	780	4/03/05	8	1.8	27	7.2	32	9.5
Eagle Lake	1400	4/02/05	39	12.1	46	11.4	42	12.7
Grandview	1100	3/31/05	60	18.9	95	28.7	41	27.8
Grouse Creek Divide	700	3/31/05	42	12.7	70	22.5	24	18.4
Jean Lake	620	4/01/05	2	1.0	39	10.1	0	4.0
Kenai Moose Pens	300	3/31/05	13	3.5	32	7.5	3	4.1
Kenai Summit	1390	3/31/05	49	12.9	46	14.5	29	14.3
McNeil Canyon	1320	4/02/05	33	10.1	42	10.3	41	11.7
Moose Pass	700	3/31/05	4	0.6	34	11.1	21	7.1
Nanwalek	500	No Report					--	--
Nuka Glacier	1250	4/01/05	84	32.0	105	30.5	95	39.5
Pass Creek	1200	3/31/05	33	9.1	34	10.5	32	8.6
Port Graham	300	3/31/05	22	3.2	16	5.6	32	8.6
Resurrection Pass	2250	4/01/05	41	10.7	31	11.8	38	10.9
Snug Harbor Road	500	4/01/05	3	1.0	31	11.8	18	15.1
Summit Creek	1400	3/31/05	45	12.7	41	11.9	43	11.7
Turnagain Pass	1880	3/30/05	87	26.5	95	28.7	106	34.9

STREAMFLOW FORECASTS

Forecast Point	Forecast Period	30- Yr Average (1000AF)	50 Percentile	% of Average	Max (1000AF)	Min (1000AF)
Kenai River at Cooper Landing	Apr-Jul	925	850	92	940	760

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

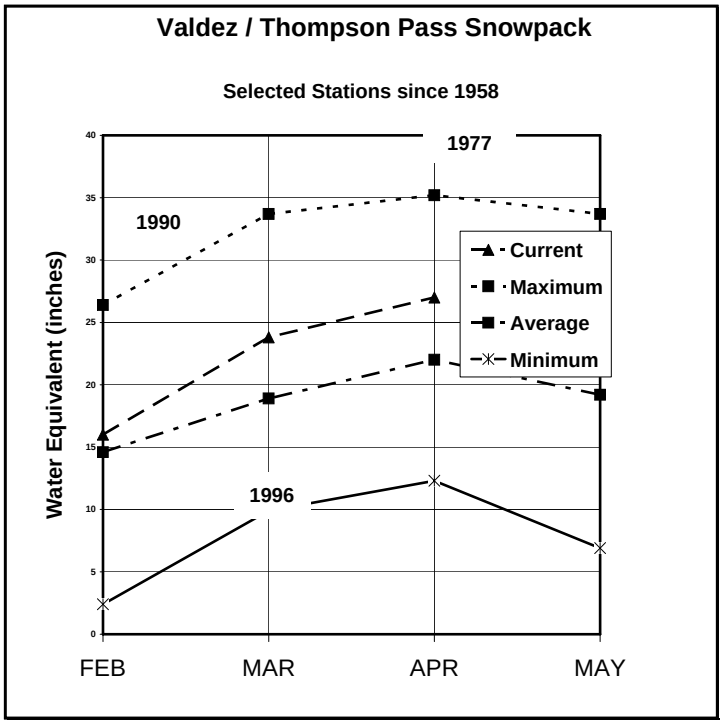
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Cooper Lake	1200	4/01/05	27.1	31.6	23.4	116
Grandview	1100	3/31/05	32.9	41.1	37.0	89
Grouse Creek Divide	700	3/31/05	40.3	39.9	35.5	114
Kenai Moose Pens	300	3/31/05	6.5	9.4	8.2	79
McNeil Canyon	1320	3/31/05	16.0	15.5	15.6	103
Middle Fork Bradley**	2300	4/01/05	37.1	30.0	34.3	108
Nuka Glacier**	1250	4/01/05	56.0	54.6	53.1	106
Port Graham	300	3/31/05	54.5	40.7	--	--
Summit Creek	1400	3/31/05	14.0	15.5	16.2	86
Turnagain Pass	1880	3/30/05	31.2	40.1	39.8	78

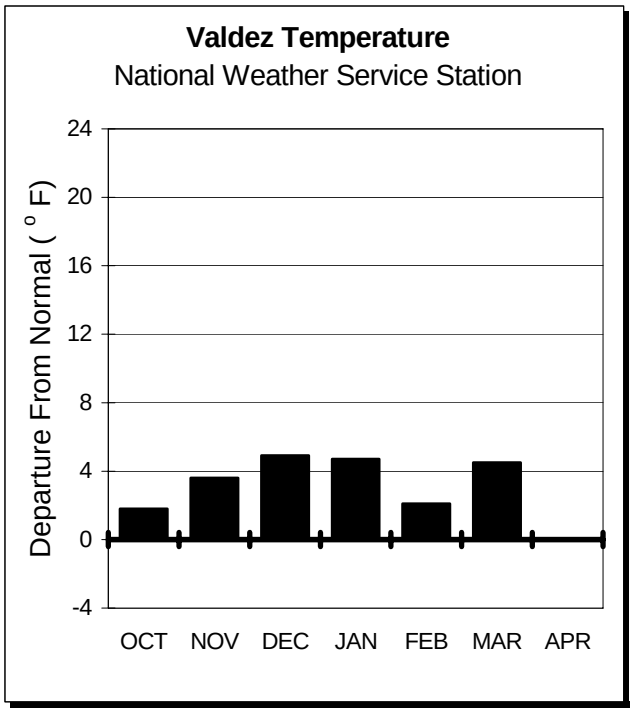
**Wyoming shielded gauge

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Bradley Lake	1	105	81
Ninilchik Dome	3	102	88
Northern Kenai Mountains	7	72	76
Northern Kenai Flats	1	47	85

WESTERN GULF*





Current Basin Conditions

The Sugarloaf Mountain snow course has 105 inches of snow and 37.2 inches of water content, 133 percent of normal. The Valdez snow course is now a 131 percent of normal water content.
The Sugarloaf Mountain precipitation gauge has caught 57.0 inches since October 1st, 134 percent of normal.

* For more information contact the Natural Resources Conservation Service in Copper Center.

Western Gulf

SNOWPACK DATA

Snow Course	Elev.	Date	THIS YEAR		LAST YEAR		1971-2000 AVERAGE	
			Snow Depth	Water Content	Sow Depth	Water Content	Snow Depth	Water Content
	(feet)		(inches)					
Exit Glacier	400	No Report			--	--	57	15.9
Grouse Creek Divide	700	3/31/05	42	12.7	70	22.5	57	18.4
Lowe River	600	4/01/05	61	16.9	62	17.9	54	17.1
Nuka Glacier	1250	4/01/05	84	32.0	105	30.5	95	39.5
Sugarloaf Mountain	550	3/29/05	105	37.2	77	25.1	87	28.0
Tsaina River	1650	4/01/05	58	17.4	53	14.2	57	17.6
Upper Tsaina River	1750	3/31/05	69	21.4	70	22.0	--	--
Valdez	50	4/01/05	65	23.4	56	16.4	54	17.8
Worthington Glacier	2100	4/01/05	88	30.4	76	23.9	72	24.9

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

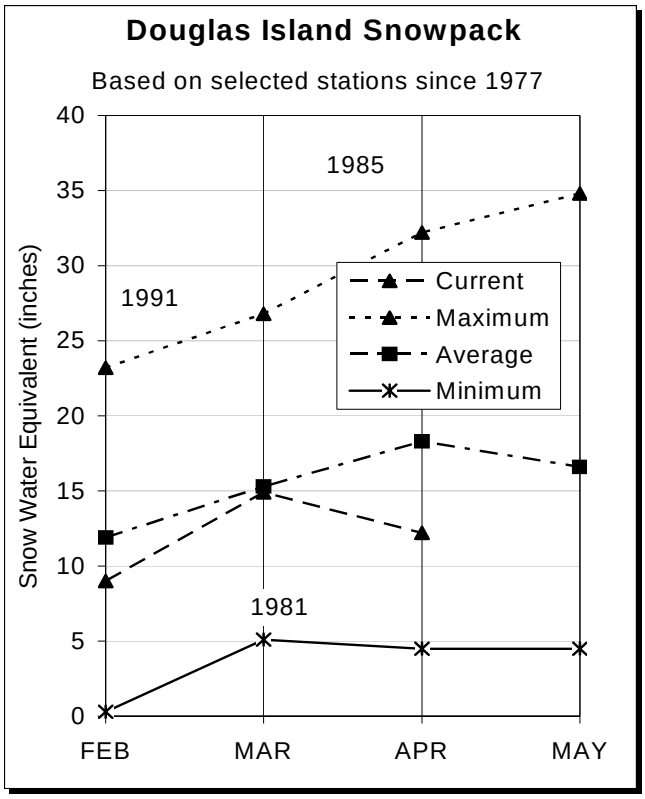
Precipitation Gauge	Elevation (feet)	Date	This Year	Last Year	1971-2000 Ave	% of Average
Grouse Creek Divide	700	3/31/05	40.3	39.9	35.5	114
Nuka Glacier**	1250	4/01/05	56.0	54.6	53.1	106
Solomon Gulch*	30	No Report		30.9	40.7	--
Sugarloaf Mountain	550	3/29/05	57.0	36.1	42.4	134
Upper Tsaina River	1750	3/31/05	29.2	25.0	--	--

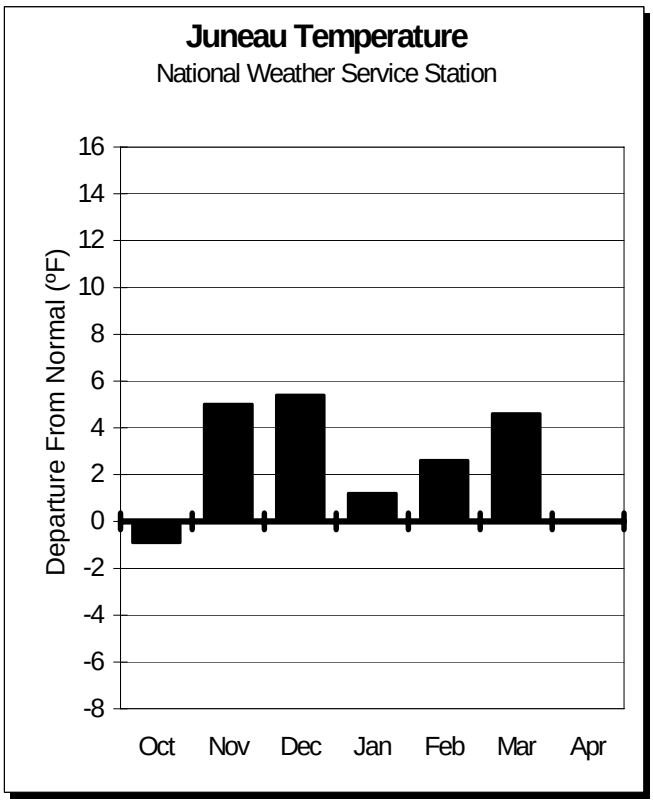
**Wyoming shielded gauge
*Copper Valley Electric Association

WATERSHED SNOWPACK ANALYSIS

Region / River Basin	No. of Courses Averaged	Percent of Last Year	Percent of Average
Lowe River (Valdez)	4	130	123

SOUTHEAST*





Snowcover:

The Swan Lake snow course water contents are 44 percent of normal, ranging from .5 inches of water content at Lost Lake to 26.7 inches of water content at Lake Grace Pass which is 94 percent of normal and 52 percent of last year. The Swan Lake precipitation gauge has received 137.8 inches since October 1st, 132 percent of normal.
Moving north to Skagway, the Moore Creek Bridge snow is right at normal with 20.0 inches of water content.
Gold Creek near Juneau volume flow forecast is 94 percent of normal for the April through July time period.

* For further information contact the Natural Resources Conservation Service in Anchorage.

Southeast

SNOWPACK DATA

SNOW COURSE	ELEV.	DATE	THIS YEAR SNOW DEPTH	THIS YEAR WATER CONTENT	LAST YEAR SNOW DEPTH	LAST YEAR WATER CONTENT	1971-2000 AVERAGE SNOW DEPTH	1971-2000 AVERAGE WATER CONTENT
Cropley Lake	1650	3/30/05	66	24.6	90	30.0	81	30.3
Eagle Crest	1200	3/30/05	35	12.1	60	18.0	54	18.5
Fish Creek	500	3/30/05	90	26.7	11	2.1	19	6.2
Lake Grace Pass	1900	4/03/05	90	26.7	118	51.7	--	--
Long Lake	850	No Report			96	40.8	--	--
Lost Lake	425	4/03/04	2	0.5	33	12.7	--	--
Mint Creek Ridge	1900	4/03/05	55	12.0	91	36.3	--	--
Moore Creek Bridge	2250	3/29/05	58	20.0	83	26.7	73	26.2
Petersburg Reservoir	550	3/31/05	0	0.0	0	0.0	15	6.2
Petersburg Ridge	1650	3/31/05	28	9.2	73	28.0	71	26.4
Speel River	280	3/29/05	52	22.2	85	33.0	78	31.1
Upper Swan Lake	1700	4/03/05	6	2.0	24	9.1	--	--

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	30- YR AVERAGE (1000AF)	50 PERCENTILE	% OF AVERAGE	MAX (kaf)	MIN (kaf)
Gold Creek near Juneau	Apr- Jul	33	31.0	94	37.0	26.0

PRECIPITATION DATA

INCHES ACCUMULATED SINCE OCTOBER 1ST

Precipitation Gauge	Elev.	Date	This Year	Last Year	71-2000 Ave	% of Average
Long Lake	850	No report		95.2	--	--
Snettisham	25	3/31/05	137.8	111.0	106.8	129
Swan Lake	50	3/31/05	116.1	121.4	88.2	132
Moore Creek Bridge	2250	3/29/05	26.4	23.6	--	--

WATERSHED SNOWPACK ANALYSIS

REGION / RIVER BASIN	# COURSES AVERAGED	PERCENT OF LAST YEAR	PERCENT OF AVERAGE
Douglas Island	3	73	67
Long Lake	1	67	71
Petersburg	2	33	28
Swan Lake	4	38	44

For further information contact:

NRCS Alaska web site: www.ak.nrcs.usda.gov/snow/
Alaska Meteor Burst Communication System (AMBCS) web site: ***www.ambcs.org***

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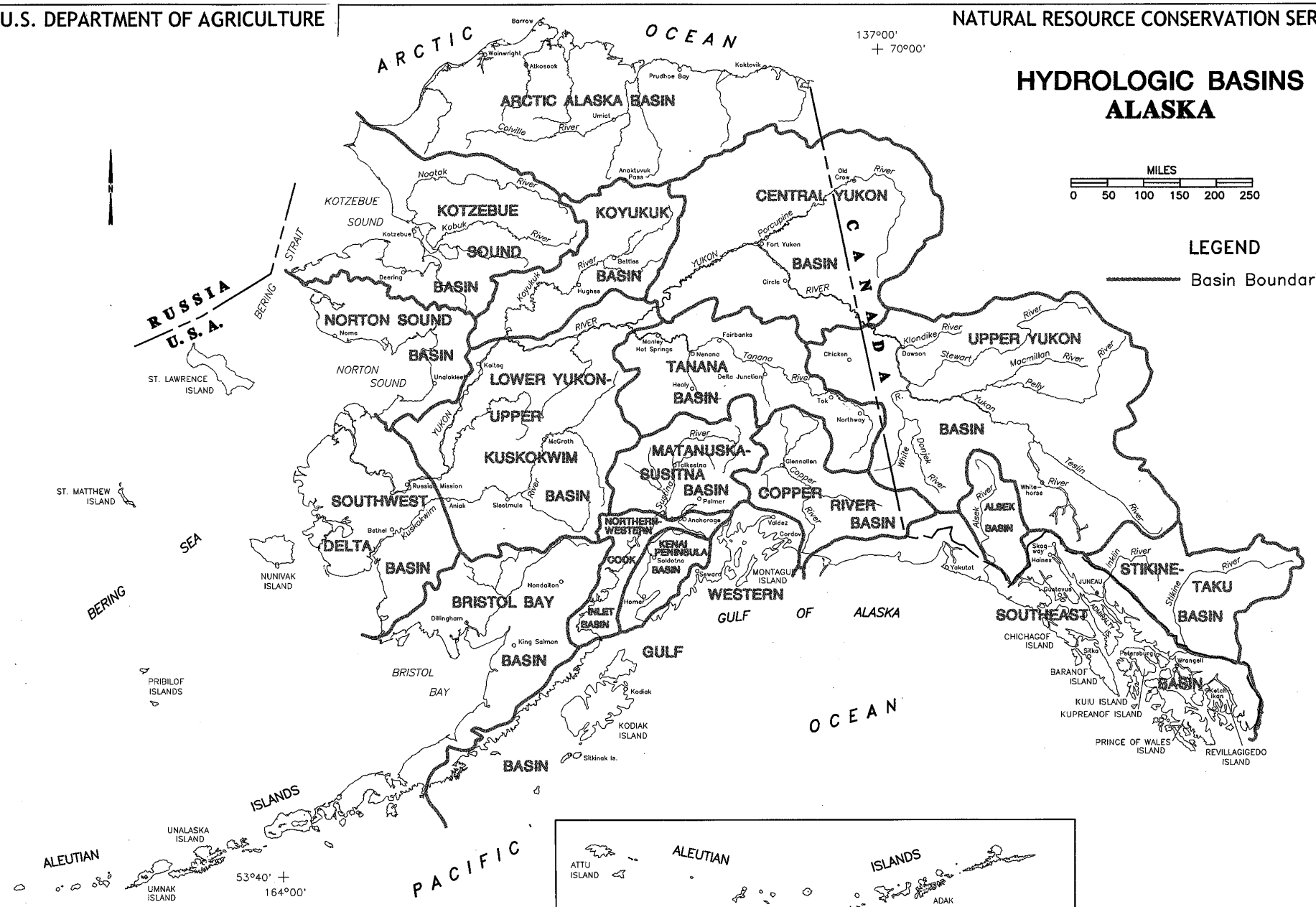
U.S. DEPARTMENT OF AGRICULTURE

NATURAL RESOURCE CONSERVATION SERVICE

HYDROLOGIC BASINS
ALASKA



SOURCE: U.S.G.S. HYDROLOGIC UNIT MAP, 1987, AND TIGER/LINE CENSUS FILES, 1990. INFORMATION FROM SCS FIELD PERSONNEL. MAP PREPARED USING AUTOMATED MAP CONSTRUCTION. LATITUDE AND LONGITUDE GEOGRAPHIC COORDINATE SYSTEM CALCULATED BY THE APPLICATIONS SOFTWARE. NATIONAL CARTOGRAPHY AND GEOGRAPHIC INFORMATION SYSTEMS CENTER, FORT WORTH, TEXAS, 1993.

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USDA, SCS, NATIONAL CARTOGRAPHY & GIS CENTER, FORT WORTH, TX, 1993

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Alaska
Snow Survey Report

Natural Resources Conservation Service
Anchorage, AK